

# Tetsuro Fujisawa

## List of Publications by Year in descending order

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72  
papers

2,636  
citations

186265

28  
h-index

182427

51  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2762  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conformational landscape of cytochrome c folding studied by microsecond-resolved small-angle x-ray scattering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1329-1334.	7.1	244
2	Structural Characterization of the Molten Globule and Native States of Apomyoglobin by Solution X-ray Scattering. <i>Journal of Molecular Biology</i> , 1995, 249, 215-228.	4.2	223
3	Collapse and search dynamics of apomyoglobin folding revealed by submillisecond observations of Å-helical content and compactness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1171-1176.	7.1	150
4	Curvature-Dependent Recognition of Ethanolamine Phospholipids by Duramycin and Cinnamycin. <i>Biophysical Journal</i> , 2007, 93, 1608-1619.	0.5	121
5	Mutations can cause large changes in the conformation of a denatured protein. <i>Biochemistry</i> , 1993, 32, 10359-10370.	2.5	114
6	Conformations of variably linked chimeric proteins evaluated by synchrotron X-ray small-angle scattering. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 829-838.	2.6	109
7	Stereocomplex Formation through Reorganization of Poly(L-lactic acid) and Poly(D-lactic acid) Crystals. <i>Macromolecules</i> , 2008, 41, 2852-2858.	4.8	105
8	Organization of the Cores of the Mammalian Pyruvate Dehydrogenase Complex Formed by E2 and E2 Plus the E3-binding Protein and Their Capacities to Bind the E1 and E3 Components. <i>Journal of Biological Chemistry</i> , 2004, 279, 6921-6933.	3.4	104
9	Formation of Highly Ordered Structure in Poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyvalerate] High-Strength Fibers. <i>Macromolecules</i> , 2006, 39, 2940-2946.	4.8	94
10	Specific collapse followed by slow hydrogen-bond formation of Å-sheet in the folding of single-chain monellin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2748-2753.	7.1	91
11	Molecular structure of the ParM polymer and the mechanism leading to its nucleotide-driven dynamic instability. <i>EMBO Journal</i> , 2008, 27, 570-579.	7.8	80
12	Time-Resolved X-ray Diffraction Study on Poly[(R)-3-hydroxybutyrate] Films during Two-Step-Drawing: Å-Generation Mechanism of Planar Zigzag Structure. <i>Biomacromolecules</i> , 2005, 6, 1803-1809.	5.4	62
13	Filament Structure, Organization, and Dynamics in MreB Sheets. <i>Journal of Biological Chemistry</i> , 2010, 285, 15858-15865.	3.4	59
14	Time-resolved Small-angle X-ray Scattering Investigation of the Folding Dynamics of Heme Oxygenase: Implication of the Scaling Relationship for the Submillisecond Intermediates of Protein Folding. <i>Journal of Molecular Biology</i> , 2006, 357, 997-1008.	4.2	55
15	Small angle X-ray scattering and <sup>31</sup> P NMR studies on the phase behavior of phospholipid bilayered mixed micelles. <i>Chemical Physics Letters</i> , 2000, 329, 215-220.	2.6	53
16	Expansion of Polyglutamine Induces the Formation of Quasi-aggregate in the Early Stage of Protein Fibrillization. <i>Journal of Biological Chemistry</i> , 2003, 278, 34717-34724.	3.4	47
17	Design and Synthesis of a Globin Fold. <i>Biochemistry</i> , 1999, 38, 7431-7443.	2.5	45
18	Specifically Collapsed Intermediate in the Early Stage of the Folding of Ribonuclease A. <i>Journal of Molecular Biology</i> , 2005, 350, 349-362.	4.2	43

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19	Time-Resolved Small-Angle X-ray Scattering Study of the Folding Dynamics of Barnase. <i>Journal of Molecular Biology</i> , 2011, 405, 1284-1294.	4.2	43
20	The use of a Hamamatsu X-ray image intensifier with a cooled CCD as a solution X-ray scattering detector. <i>Journal of Synchrotron Radiation</i> , 1999, 6, 1106-1114.	2.4	42
21	d-threo-1-Phenyl-2-decanoylamino-3-morpholino-1-propanol Alters Cellular Cholesterol Homeostasis by Modulating the Endosome Lipid Domains. <i>Biochemistry</i> , 2006, 45, 4530-4541.	2.5	41
22	Static and Dynamic X-Ray Diffraction Recordings from Living Mammalian and Amphibian Skeletal Muscles. <i>Biophysical Journal</i> , 2003, 85, 2492-2506.	0.5	40
23	X-ray diffraction evidence for the lack of stereospecific protein interactions in highly activated actomyosin complex. <i>Journal of Molecular Biology</i> , 2001, 305, 863-874.	4.2	38
24	The shapes and sizes of two domains of tropomodulin, the P-end-capping protein of actin-tropomyosin. <i>FEBS Letters</i> , 2001, 498, 67-71.	2.8	36
25	Trichromatic Concept at SPring-8 RIKEN Beamline I. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 222-225.	2.4	35
26	Polymeric Structures and Dynamic Properties of the Bacterial Actin AlfA. <i>Journal of Molecular Biology</i> , 2010, 397, 1031-1041.	4.2	35
27	Structural Characterization of Lactate Dehydrogenase Dissociation under High Pressure Studied by Synchrotron High-Pressure Small-Angle X-ray Scattering. <i>Biochemistry</i> , 1999, 38, 6411-6418.	2.5	34
28	Activation Mechanisms of Transcriptional Regulator CooA Revealed by Small-angle X-ray Scattering. <i>Journal of Molecular Biology</i> , 2004, 341, 651-668.	4.2	33
29	High-Pressure Solution X-ray Scattering of Protein Using a Hydrostatic Cell with Diamond Windows. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 1282-1286.	2.4	28
30	Real-Time Synchrotron SAXS and WAXD Studies on Annealing Behavior of Poly[(R)-3-hydroxybutyrate] Single Crystals. <i>Macromolecules</i> , 2006, 39, 2201-2208.	4.8	27
31	The Signaling Pathway in Histidine Kinase and the Response Regulator Complex Revealed by X-ray Crystallography and Solution Scattering. <i>Journal of Molecular Biology</i> , 2006, 362, 123-139.	4.2	27
32	States of thin filament regulatory proteins as revealed by combined cross-linking/X-ray diffraction techniques 1 Edited by M. F. Moody. <i>Journal of Molecular Biology</i> , 2002, 317, 707-720.	4.2	25
33	Redesign of Artificial Globins: Effects of Residue Replacements at Hydrophobic Sites on the Structural Properties. <i>Biochemistry</i> , 2000, 39, 5683-5690.	2.5	24
34	The Effects of Aggregation-Inducing Motifs on Amyloid Formation of Model Proteins Related to Neurodegenerative Diseases. <i>Biochemistry</i> , 2002, 41, 10277-10286.	2.5	24
35	Synchrotron SAXS and WAXS Studies on Changes in Structural and Thermal Properties of Poly[(R)-3-hydroxybutyrate] Single Crystals during Heating. <i>Macromolecular Rapid Communications</i> , 2005, 26, 678-683.	3.9	24
36	The Hydration of Ras p21 in Solution during GTP Hydrolysis Based on Solution X-Ray Scattering Profile. <i>Journal of Biochemistry</i> , 1994, 115, 875-880.	1.7	23

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37	Evaluation of three algorithms for initial determination of three-dimensional shape from one-dimensional solution scattering profiles. <i>Journal of Applied Crystallography</i> , 2003, 36, 549-552.	4.5	23
38	pH-dependent Formation of Membranous Cytoplasmic Body-Like Structure of Ganglioside GM1/Bis(Monoacylglycerol)Phosphate Mixed Membranes. <i>Biophysical Journal</i> , 2007, 92, L13-L15.	0.5	23
39	Direct X-Ray Observation of a Single Hexagonal Myofilament Lattice in Native Myofibrils of Striated Muscle. <i>Biophysical Journal</i> , 2002, 83, 1074-1081.	0.5	21
40	Differential Membrane Packing of Stereoisomers of Bis(monoacylglycerol)phosphate. <i>Biochemistry</i> , 2006, 45, 9198-9209.	2.5	21
41	RecR forms a ring-like tetramer that encircles dsDNA by forming a complex with RecF. <i>Nucleic Acids Research</i> , 2008, 36, 5013-5020.	14.5	21
42	Structural Transition of Poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyvalerate] Single Crystals on Heating As Revealed by Synchrotron Radiation SAXS and WAXD. <i>Macromolecules</i> , 2007, 40, 2392-2399.	4.8	20
43	Conceptual design of SPring-8 contract beamline for structural biology. <i>Review of Scientific Instruments</i> , 1995, 66, 1833-1835.	1.3	18
44	Structural Change of Troponin C Molecule and Its Domains upon Ca <sup>2+</sup> Binding in the Presence of Mg <sup>2+</sup> Ions Measured by a Solution X-Ray Scattering Technique. <i>Journal of Biochemistry</i> , 1990, 107, 343-351.	1.7	16
45	Diversity of Structural Behavior in Vertebrate Conventional Myosins Complexed with Actin. <i>Journal of Molecular Biology</i> , 2007, 369, 249-264.	4.2	14
46	Small-angle X-ray scattering study on CEL-III, a hemolytic lectin from Holothuroidea <i>Cucumaria echinata</i> , and its oligomer induced by the binding of specific carbohydrate. <i>FEBS Letters</i> , 1997, 414, 79-83.	2.8	10
47	X-ray microdiffraction and conventional diffraction from frozen-hydrated biological specimens. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 479-483.	2.4	10
48	Improvement of a high pressure cell with diamond windows for solution X-ray scattering of proteins. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 467-468, 1384-1387.	1.6	9
49	Intensity of X-ray reflections from skeletal muscle thin filaments partially occupied with myosin heads: effect of cooperative binding. <i>Journal of Muscle Research and Cell Motility</i> , 2004, 25, 329-335.	2.0	6
50	Structural Properties of Silkworm Small Heat-Shock Proteins: sHSP19.9 and sHSP20.8. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1556-1563.	1.3	6
51	Analysis of oligomeric transition of silkworm small heat shock protein sHSP20.8 using high hydrostatic pressure native PAGE. <i>High Pressure Research</i> , 2013, 33, 258-264.	1.2	6
52	Highly Collapsed Conformation of the Initial Folding Intermediates of $\beta^2$ -Lactoglobulin with Non-Native $\beta$ -Helix. <i>Journal of Molecular Biology</i> , 2015, 427, 3158-3165.	4.2	6
53	SPring-8, What can we do now? Structural Studies on Protein Solutions by using Solution X-ray Scattering Technique at RIKEN Structural Biology Beamline I (BL45XU).. <i>Nihon Kessho Gakkaishi</i> , 2000, 42, 97-105.	0.0	4
54	Evaluation and improvements of the Rigaku imaging plate reader (R-Axis IV++) for the use in synchrotron X-ray solution scattering. <i>Journal of Applied Crystallography</i> , 2003, 36, 535-539.	4.5	3

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55	Autoxidized Phospholipids in Hexane: Nano-Self-Assemblies Studied by Synchrotron Small-Angle X-ray Scattering. <i>Langmuir</i> , 2006, 22, 7994-8000.	3.5	3
56	Fiber-Optic Taper Coupled with a Large Format Charge-coupled Device X-ray Detector: Fast Readout and High Duty-Cycle Ratio. <i>AIP Conference Proceedings</i> , 2007, . .	0.4	3
57	Negative thermal expansibility change for dissociation of lysozyme variant amyloid protofibril. <i>Electrophoresis</i> , 2015, 36, 893-901.	2.4	3
58	Dispersion state of phospholipids and fluorescence production with peroxidation in organic solvents: investigated by time-resolved fluorescence technique. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1236, 228-236.	2.6	2
59	Performance of a micro-strip gas chamber in solution X-ray scattering. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 467-468, 1144-1147.	1.6	2
60	Novel fast-arrayed CCD X-ray detector using interline transfer-type CCD for time-resolved X-ray diffraction measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 582, 673-682.	1.6	2
61	The Small-Angle X-Ray Scattering from Proteins Under Pressure. , 2002, , 121-138.		2
62	High Pressure Small-Angle X-Ray Scattering. <i>Sub-Cellular Biochemistry</i> , 2015, 72, 663-675.	2.4	2
63	Guanidine Hydrochloride-Induced Changes of the E2 Inner Core of the <i>Bacillus stearothermophilus</i> Pyruvate Dehydrogenase Complex. <i>Journal of Biochemistry</i> , 1998, 123, 564-567.	1.7	1
64	Quantitative analysis of dissociation of LDH by high pressure native PAGE. <i>High Pressure Research</i> , 2019, 39, 218-224.	1.2	1
65	Protein Folding Dynamics Detected By Time-Resolved Synchrotron X-ray Small-Angle Scattering Technique. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
66	1P050 High-pressure small-angle x-ray scattering study on MreB and AlfA(Protein:Property,The 48th Annual Meeting of the Biophysical Society) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
67	1P052 Temperature and pressure dissociation equilibrium of lysozyme OSS variant amyloid protofibril probed by highpressure electrophoresis(Protein:Property,The 48th Annual Meeting of the Biophysical Society) Tj ETQq1 1 007B4314 rgBT /Overlock 10 Tf 5		
68	1P053 Structural analysis on E.coli outer membrane protein OmpA detergent complex by the use of small-angle neutron scattering(Protein:Property,The 48th Annual Meeting of the Biophysical Society) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		
69	Salt-Induced Changes in the Subunit Structure of the <i>Bacillus stearothermophilus</i> Lipoate Acetyltransferase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 1637-1644.	1.3	0
70	1P025 Global fit analysis on high pressure synchrotron small-angle x-ray scattering data of protein complexes(O1B. Protein:Structure & Function,Poster). <i>Seibutsu Butsuri</i> , 2013, 53, S110.	0.1	0
71	Quantitative Analysis of Protein Association System Using High-Pressure Electrophoresis. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2017, 27, 26-32.	0.0	0
72	Simple Thermodynamic Description of the Micellar-Bilayer State Transition of Assemblies Composed of Octyl- $\beta$ -D-glucopyranoside and 1,2-Dioleoyl-sn-glycero-3-phosphocholine Dispersed in Aqueous Media or Supported on Solid Substrates. <i>Journal of Oleo Science</i> , 2022, 71, 235-246.	1.4	0